

Electrical Circuit Troubleshooting EX1-1					MASIF Referee		Contestant		Total score deducted		
Station No : _____											
① Operation treatment ( Maximum deduct 15 Points )					Ranking criteria ( 1.1 + 1.2 )						
1-1 Defect Timer setting ( Difference 1 secone form set points value )			Refer	Result		Rank A 0 point	Rank B 3 points				
● Timer no. 1			.....sec	OK	NG	0 Defect	1 Defect or more				
● Timer no. 2			.....sec	OK	NG						
● Timer no. 3			.....sec	OK	NG						
● Timer no. 4			.....sec	OK	NG						
1-2 Defect of Malfuntion Treatment			Refer	Result				Rank C 6 points	Rank D 9 points	Rank E 12 points	Rank F 15 points
● Treatment Locations no. 1				OK	NG	1 Defect	2 Defects	3 Defects	4 Defects or more		
● Treatment Locations no. 2				OK	NG						
● Treatment Locations no. 3				OK	NG						
● Treatment Locations no. 4				OK	NG						
● Treatment Locations no. 5				OK	NG						
② Repair that is different drawing electrical circuit					Ranking criteria						
Check only Rank A in ①			Refer	Result		Rank A 0 point	Rank B 1 points	Rank C 2 points	Rank D 3 points		
● Treatment Locations no. 1				OK	NG	0 Position	1 Position	2 Positions	3 Positions or more		
● Treatment Locations no. 2				OK	NG						
● Treatment Locations no. 3				OK	NG						
● Treatment Locations no. 4				OK	NG						
● Treatment Locations no. 5				OK	NG						
③ Unnecessary Wiring,Relay,Timer,Terminal					Ranking criteria						
Check spare part to compare with treatment locations			Refer (part)	Result used		Rank A 0 point	Rank B 2 points	Rank C 4 points	Rank D 6 points		
3-1 Wiring cable ( Blue color )						0 Position	1 Position	2 Positions	3 Positions or more		
3-2 Remove or change Relay or Timer											
3-3 Terminal											
⑥ Truble shooting repair time					Ranking criteria						
If ① is not rank A , Deduct 3 point (Rank D)			Refer	Result used		Rank A 0 point	Rank B 1 points	Rank C 2 points	Rank D 3 points	Rank E 5 points	
Team Leader Level (TL)			13:00 min			≤ 13:00	13:01 - 14:00	14:01 - 15:00	15:01 - 17:00	≥ 17:01	
Team Member Level (TM)			13:00 min			≤ 13:00	13:01 - 14:00	14:01 - 15:00	15:01 - 17:00	≥ 17:01	